

IN THE CLAIMS

Please amend the claims to read as indicated herein.

1. (previously presented) A testing unit for testing a device under test (DUT), comprising:
a signal generator that applies a stimulus signal to the DUT,
a receiving unit that receives a response signal from the DUT on the applied stimulus signal; and
a synchronizing unit that synchronizes a data flow of the response signal between the DUT and
the receiving unit;
wherein the synchronizing unit receives a first clock signal from the DUT and a second clock
signal from the testing unit; and
wherein the synchronizing unit includes:
a buffer for buffering data;
a write unit for writing data from the DUT into the buffer, wherein the first clock signal
controls a write access onto the buffer; and
a read unit for reading out data from the buffer to be provided to the receiving unit, wherein
the second clock signal controls a read access onto the buffer.

2. (previously presented) The testing unit of claim 1, wherein the buffer comprises a register
structure with a plurality of registers.

3. (previously presented) The testing unit of claim 2, further comprising:
a write pointer that moves between the pluralities of registers for defining one of the plurality of
registers to receive and buffer data from the DUT; and
a read pointer that moves between the plurality of registers for defining one of the pluralities of
registers to be read out.

4. (previously presented) The testing unit of claim 3, wherein the write pointer is clocked by the
first clock signal for successively writing successive data words from the DUT to different registers,

and the read pointer is clocked by the second clock signal for successively reading out successive data words buffered in the plurality of registers.

5. (previously presented) The testing unit of claim 1, wherein the write unit comprises a latch controlled by the first clock signal, so that successive data words can be latched with the first clock signal and thus successively written into the buffer.

6. (previously presented) The testing unit of claim 1, wherein the buffer provides an initial delay time between a first valid write access and a first valid read access.

7. (currently amended) The testing unit of claim 6, wherein the initial delay time is dependent on the a maximum expected variation between such write and read accesses.

8. (previously presented) A method for testing a device under test (DUT), the method comprising:

applying a stimulus signal to the DUT, wherein the DUT outputs data in response to the stimulus signal;

writing the data into a buffer, wherein the writing employs a first clock signal that controls a write access of the buffer, and wherein the first clock signal is provided by the DUT;

reading the data from the buffer, wherein the reading employs a second clock signal that controls a read access of the buffer, and wherein the second clock is provided by a receiving unit;

and

communicating the data from the buffer to the receiving unit.

9. (currently amended) The method of claim 8, further comprising initializing at least one of a first valid write access ~~and/or~~ or a first valid read access.

Please add the following claims, newly numbered as claims 10 and 11.

10. (new) The method of claim 8, wherein the buffer provides an initial delay time between a first valid write access and a first valid read access.

11. (new) The method of claim 10, wherein the initial delay time is dependent on a maximum expected variation between such write and read accesses.